Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	08/03/2016 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124847	-1	2.17	124738	2.15
Blue	F	SSC	125000	122927	-2	4.11	123395	4.02
Blue	E	FITC	22946	22544	-2	2.65	1005	9.24
Blue	D	PE	28770	28167	-3	2.31	1013	8.79
Blue	B	PerCP-Cy5-5	51099	50808	-1	3.53	1452	15.20
Blue	A	PE-Cy7	42312	41805	-2	4.96	645	31.81
Red	C	APC	52169	51560	-2	2.83	2970	8.86
Red	A	APC-Cy7	56705	56114	-2	2.93	1159	10.62
Violet	B	V450	14708	14213	-4	4.05	683	8.98
Violet	A	V500	58608	57131	-3	3.80	2542	6.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19730	4.03	588	-10	N/A	N/A	Pass
Blue	F	SSC	61365	2.42	520	2	N/A	N/A	Pass
Blue	E	FITC	113	34.08	527	-4	0.0260	68	Pass
Blue	D	PE	220	25.44	522	-4	0.1989	199	Pass
Blue	B	PerCP-Cy5-5	229	39.59	617	-5	0.0130	85	Pass
Blue	A	PE-Cy7	71	102.43	664	-7	0.0148	8	Pass
Red	C	APC	348	26.16	586	-4	0.0242	116	Pass
Red	A	APC-Cy7	127	37.07	570	-6	0.0065	1414	Pass
Violet	B	V450	82	39.33	463	4	0.0427	1369	Pass
Violet	A	V500	184	21.76	492	4	0.0145	203	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.28	0.84
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.31
Red	18.35	13.27 - 19.91	N/A	N/A	31.37	32.05	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10474

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments